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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): C.I. Podilchuk et al.

Case: 11-1

Serial No.: 09/368,380

Filing Date: August 4, 1999

Title: Method and Apparatus for Dense Motion Field Based Coding

Group: 2722

Examiner: To Be Assigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature: Lerese M. Hanli Date: May 12, 2000

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. C. Bouman et al., "Multiple Resolution Segmentation of Textured Images," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 13, No. 2, pp. 99-113, February 1991.

2. S. Geman et al., "Stochastic Relaxation, Gibbs Distribution, and the Bayesian Restoration of Images," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-6, No. 6, pp. 721-741, November 1984.

3. T.S. Huang et al., "Motion and Structure from Feature Correspondences: A Review," Proceedings of the IEEE, Vol. 82, No. 22, pp. 252-268, February 1994.

4. J. Konrad et al., "Bayesian Estimation of Motion Vector Fields," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 14, No. 9, pp. 910-927, September 1992.

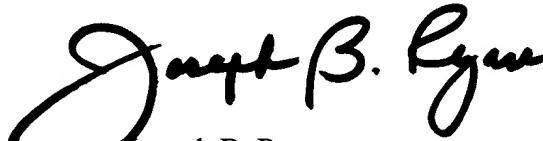
5. P. Moulin et al., "Multiscale Modeling and Estimation of Motion Fields for Video Coding," IEEE Transactions on Image Processing, Vol. 6, No. 12, pp. 1606-1620, December 1997.

6. A. Netravali et al., "Motion Compensated Television Coding," Part I, The Bell Systems Technical Journal, Vol. 58, No. 3, pp. 631-670, March 1979.
7. M.T. Orchard, "Predictive Motion Field Segmentation for Image Sequence Coding," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 3, No. 1, pp. 54-70, February 1993.
8. M.T. Orchard et al., "Overlapped Block Motion Compensation: An Estimation Theoretic Approach," IEEE Transactions on Image Processing, Vol. 3, No. 5, pp. 693-699, September 1994.
9. S.D. Servetto et al., "Stochastic Modeling and Entropy Constrained Estimation of Dense Motion Fields for Video Coding," IEEE Transactions on Image Processing, pp. 591-595, 1998.
10. S.D. Servetto et al., "Image Coding Based on a Morphological Representation of Wavelet Data," IEEE Transactions on Image Processing, Vol. 8, No. 9, pp. 1161-1174, September 1999.
11. Y. Shoham et al., "Efficient Bit Allocation for an Arbitrary Set of Quantizers," IEEE Transactions on Acoustics, Speech and Signal Processing, Vol. 36, No. 9, pp. 1445-1453, September 1988.

It is believed that there is no fee due in conjunction with the filing of this Information Disclosure Statement. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,

A handwritten signature in black ink, reading "Joseph B. Ryan". The signature is written in a cursive style with a large, looping initial "J".

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